SONY

DCR-HC48

MiniDV Handycam® Camcorder

NEW

▲ Step-up

With a 1 Megapixel CCD, the DCR-HC48 captures every detail. A 25x optical zoom gets you close when you're far away. While Super NightShot® Plus technology means you never miss a moment. Plus, the built-in Memory Stick Duo™ media slot and the supplied Handycam® Station mean you can share it all simply and easily.

▲ 1.0 Megapixel (Gross) Advanced HAD™ CCD Imager
1/6" Advanced HAD™ (Hole Accumulation Diode) CCD with 690K (effective) pixels provides stunning detail and clarity with exceptional video (up to 520 lines of horizontal resolution) and still image performance. The Megapixel technology enhances your digital videos and digital still photography performance.

— MiniDV Recording
Offers up to 520 lines of horizontal resolution, 3X the color bandwidth and a significantly higher signal/noise ratio, to provide spectacular video performance.

— 25X Optical/2000X Digital Zoom
The optical zoom helps to bring the action close up from far away. In addition, the Digital Zoom Interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.

— Professional Quality Carl Zeiss® Vario-Tessar® Lens
Carl Zeiss lenses have an advanced optical multi-layer coating that offers less glare and flare with increased contrast. This results in vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones.

▲ 2.7" Wide (16:9) Touch Panel Hybrid LCD Display[4] (123K Pixels)
Provides excellent viewing clarity for both 16:9 and 4:3 apsect with improved resolution. The high resolution 123K pixel LCD screen rotates up to 270 degrees for multiple viewing angles providing sharp, detailed images for monitoring or playback.

▲ One Touch Wide Angle Shooting
Easily switch between 16:9 and 4:3 aspect ratios for shooting with just the touch of a button.

— Super SteadyShot® Picture Stabilization System
Picture stabilization system that uses motion sensors to detect and compensate for camera "shake" without compromising picture quality like some other digital stabilization systems.

▲ Handycam Station
The supplied Handycam Station cradle provides quick and easy connections to a compatible TV for viewing or to a PC for editing and sharing video. Just placing the camcorder on the Handycam Station instantly makes the connections. No need to search for cables or wires when charging or playing back.

— InfoLITHIUM® Battery with AccuPower™ Meter System
Charge the battery at anytime because unlike NiCad (Nickel Cadmium) batteries, Sony's rechargeable Lithium Ion batteries are not subject to a life shortening "memory effect".Sony's exclusive AccuPower™ meter displays the battery time remaining in minutes, in either the viewfinder or on the LCD screen.

— i.LINK® DV Interface[1]
A digital high-speed bi-directional interface which provides Audio/Video communication between two compatible devices. This connection allows for pure digital transfer between devices equipped with an IEEE1394 interface, such as camcorders, digital VTRs, capture cards and PCs.

▲ Digital Still Memory Mode with Memory Stick Duo® Media[3]
Capture still images up to 1152x864 resolution, directly onto Memory Stick Duo™ Media for easy transfer to PCs for emailing, printing or sharing with other compatible Memory Stick™ devices.

— Tele Macro Function
Useful for shooting close up shots, but without having the camcorder casting a shadow on the subject. Images shot in the Tele Macro Mode will have the subject properly focused with the background unfocussed so that the subject stands out.

— Manual Focus
Allows the user to manually adjust the focus of the camcorder using the touch panel. Manual focusing also allows the user to control the focus in difficult situations where either the environment or the subject does not allow the camcorder's auto focus to perform optimally, such as when shooting through a window or in a crowded environment.

— Super NightShot® Plus Infrared System
With Sony's Super NightShot Plus Infrared System you can capture natual looking video, even when shooting in low light. Record subjects up to 20 feet away using the built-in infrared system, but without the overall monochrome color common with earlier low-light recording systems.

— On Screen Zoom and Record Controls
For additional control of the camcorder, the DCR-HC48 features Zoom and Record buttons on the frame of the LCD screen. This allows the user more flexibility when holding the camcorder, especially in overhead or low angle shots.

— Stamina® Battery Power Management System
Using the optional NP-FH1000 InfoLITHIUM® Battery, the DCR-HC48 can continuously record for up to 10 hours (viewfinder) or 9 hours (LCD) on a single full charge, providing extra long battery life[2] .

ADDITIONAL FEATURES

— Scene Selection Modes
— Picture Effects
— Fader
— USB Streaming
— Easy Handycam Button
— Battery Information
— Picture Motion Browser

Mini DV

ZEISS

OPTICAL 25x ZOOM

1.1 (Gross) 1.0 (Effective/Still) MEGA PIXEL

Handycam Station Supplied

Touch Panel

Memory Stick Duo
Memory Stick PRO Duo

PictBridge

HANDYCAM

SONY

DCR-HC48

MiniDV Handycam® Camcorder

Specifications

General

Imaging Device: 1/6" Advanced HAD™ CCD
Pixel Gross: 1070K
Recording Media: MiniDV Cassette, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media (sold separately)
Recording and Playback Times: SP: up to 60 min., LP: up to 90 min.
Video Actual: 670K Pixels (16:9), 690K Pixels (4:3)
Still Actual: 750K Pixels (16:9), 1000K Pixels (4:3)

Audio

Microphone: Yes (Built-in; Stereo)

Convenience

USB Streaming: Yes
Accessory Shoe: N/A
White Balance: Auto, Indoor, One-push, Outdoor
Memory Stick PRO™ Media Compatibility: Tested to support up to 4GB media capacity; does not support high speed transfer function; does not support Access Control security function.
Still Image Mode(s): JPEG
Scene Mode(s): Beach, Candle, Fireworks, Landscape, Portrait, Snow, Sports Lesson, Spotlight, Sunrise & Sunset and Twilight
Image Stabilization: Yes (Electronic)

Convenience Features

Easy Operation: Yes
Multiple Language Display: Yes
Remote Control: Yes
Slide Show Mode: Yes
Movie Mode(s): MPEG
Picture Effect(s): Monotone, Mosaic, Negative Art, Pastel, Sepia and Solarization
Digital Picture Effect(s): Flash Motion, Luminance, Old Movie, Slow Shutter, Still, Trail
PictBridge Compatible: Yes
Low Light Capability: Super NightShot® Plus system
Fader Effect(s): Black, Dot, Monotone, Mosaic, Overlap, White, Wipe
Tilting: N/A

Video

Video Recording System: 2 Rotary Heads, Helical Scanning System
Analog-to-Digital Converter: N/A
Video Signal: NTSC color, EIA standards

Inputs and Outputs

LANC Terminal: N/A
Analog Audio/Video Input(s): N/A
Analog Audio/Video Output(s): Yes (Multi A/V)
Digital Audio/Video Input(s): Yes (via i.LINK®; Handycam Station)[1]
Digital Audio/Video Output(s): Yes (via i.LINK®; Handycam Station)[1]
USB Port(s): Yes (1.1 compliant on Handycam® Station)
i.LINK® Interface: Yes (on Handycam® Station)
Component Video (Y/Pb/Pr) Output(s): N/A
Headphone Jack: N/A
Microphone Input: N/A
S-Video Input(s): N/A
S-Video Output(s): Yes (optional accessory)
HDMI™ Connection Output(s): N/A

Display

LCD Screen: 2.7" (123K Pixels) Wide (16:9) Touch Panel Hybrid LCD Display[4]
Viewfinder: Color (123K Pixels)

Hardware

Docking Station: Yes (Handycam Station®)
Light/Flash: N/A

Optics/Lens

35mm Equivalent: 41 - 1189mm (16:9 Camera Mode), 43 - 1075mm (4:3 Camera Mode), 39 - 975mm (16:9 Memory Mode), 36 - 900mm (4:3 Memory Mode)
Aperture: f1.8 - 3.2
Exposure: Touch Panel (24 steps)
Filter Diameter: 30mm
Focal Distance: 2.5 - 62.5mm; Telemacro - 380mm
Focus: Full Range Auto, Manual (Touch Panel)
Progressive Shutter Mode: N/A
Shutter Speed: Auto, 1/2-1/4000 (Scene Selection Mode)
Optical Zoom: 25X
Digital Zoom: 2000X
Resolution: 1MP
Lens Type: Carl Zeiss® Vario-Tessar®
Minimum Illumination: 4 Lux (0 Lux with Super NightShot® Plus Infrared System)

Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH40)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 2.5W/2.8W (VF/LCD)

Service and Warranty Information

Limited Warranty Term: 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional
Supplied Software: Picture Motion Browser ver. 2.0

Dimensions

Weight: 1.0 lb (465g) with Tape and Battery
Measurements: 2 1/2" x 3 3/8" x 4 5/8" (63 x 85 x 115mm)

Supplied Accessories

Power Adapter/In-Camera Charger (AC-L200)
InfoLITHIUM® Rechargeable Battery (NP-FH40)
Handycam® Station (DRCA-C155)
Remote Commander® Remote Control (RMT-831)
Stereo AV Cable
USB Cable
Application Software
Enjoy Handycam DVD

Optional Accessories

Carrying Case (LCS-VAC)
Lightweight Tripod (VCT-R100)
Pocket Tripod (VCT-TK1)
High Grade A/V Cable with S-Video (VMC-30FS)

UPC Code: 27242701823

1. i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE1394 connector. All products with an IEEE1394 connector may not communicate with each other.
2. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions. Designed for use with compatible Sony InfoLITHIUM® batteries.
3. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940, 2GB=1.85GB, 4GB=3.66GB.
4. Viewable area measured diagonally.

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Features and specifications subject to change without notice. Non-metric weights and measures are approximate and may vary.
Screen Image Simulated

BATTERY LIFE[2]

Battery[2] (Fully charged)	Continuous Record Time VF/LCD/LCD Bcklt Off	Continuous Playback Time LCD/VF
NP-FH40	110/100/110 min	120/150 min
NP-FH50	130/115/130 min	140/170 min
NP-FH70	280/245/280 min	300/370 min
NP-FH100	635/565/635 min	695/845 min

STILL IMAGE MODE[3]

Fine/Standard Picture Quality

Memory Stick Duo™ Media[3]	1152x864 1.0MP (Wide)	1152x648 0.7MP	640x480 VGA
64MB	120/300	160/390	390/980
128MB	245/600	325/780	780/1970
Memory Stick PRO Duo™ Media[3]			
256MB	445/1000	590/1400	1400/3550
512MB	900/2050	1200/2850	2850/7200
1GB	1800/4200	2450/5900	5900/14500
2GB	3750/8600	5000/12000	12000/30000
4GB	7400/17000	9500/23500	23500/59000

Please visit the Dealer Network for more information at www.sony.com/dn